

Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	09/674,546
				Filing Date	April 30, 1999
				First Named Inventor	Claire M. FRASER
				Art Unit	1645
				Examiner Name	S. Devi
Sheet	1	of	2	Attorney Docket Number	223002101200

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	1.	US-5,554,372	09-10-1996	Hunter	
	2.	US-6,355,253	03-12-2002	Zlotnick	
	3.	US-7,018,636	03-28-2006	Bhattacharjee et al.	
	4.	US-20040033234	02-19-2004	Berinstein et al.	
	5.	US-20070026021	02-01-2007	Fraser et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
	6.	WO-2006024954	03-09-2006	Chiron SRL		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
	7.	1997-11-17-NM_shotgun.dbs (1928 pages) and 1997-12-15-NM.dbs (576 pages), located at <ftp://ftp.sanger.ac.uk/pub/pathogens/nm/old data/>.		
	8.	Declaration by Dr. Julian Parkhill dated June 12, 2008. 2 pages.		
	9.	BERNFIELD et al., and FARLEY et al. (September 1-6, 2002). <i>Thirteenth International Pathogenic Neisseria Conference</i> , pages 116 and 124.		
	10.	CANTINI et al. (March 2006). "Solution Structure of the Immunodominant Domain of Protective Antigen GNA 1870 of <i>Neisseria meningitidis</i> ," <i>Journal of Biological Chemistry</i> 281(11): 7220-7227.		
	11.	FLETCHER et al. (2004). "Vaccine Potential of the <i>Neisseria meningitidis</i> 2086 Lipoprotein," <i>Infection and Immunity</i> 72(4): 2088-2100.		
	12.	GIULIANI et al. (February 2005). "The Region Comprising Amino Acids 100 to 255 of <i>Neisseria meningitidis</i> Lipoprotein GNA 1870 Elicits Bactericidal Antibodies," <i>Infection and Immunity</i> 73(2): 1151-1160.		
	13.	LAWRENCE, E. (1997). Henderson's Dictionary of Biological Terms, Eleventh Edition (1997). Longman Ltd. Definition of "epitope," Cover pages, Table of Contents, and pages 37 and 184.		
	14.	TETTELIN et al. (March 2000). "Complete Genome Sequence of <i>Neisseria meningitidis</i> Serogroup B Strain MC58," <i>Science</i> 287: 1809-1815.		
	15.	WELSCH et al. (2004). "Protective Activity of Monoclonal Antibodies to Genome-Derived Neisserial Antigen 1870, a <i>Neisseria meningitidis</i> Candidate Vaccine," <i>The Journal of Immunology</i> 172: 5606-5615.		
	16.	Notice of Opposition mailed on July 23, 2008 on behalf of Wyeth, directed to European Patent		

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		EP 1645631, granted on October 24, 2007. 20 pages.	
	17.	HOUGHTEN et al. New Approaches to Immunization, Vaccines86, Cold Spring Harbor Laboratory, p. 21-25, 1986	
	18.	McGUINNESS et al. (Feb 1993). "Class 1 outer membrane protein of Neisseria meningitidis: epitope analysis of the antigenic diversity between strains, implications for subtype definition and molecular epidemiology," Mol. Microbiol. 7:505-514.	
	19.	McGUINNESS et al. (March 1991). "Point mutation in meningococcal porA gene associated with increased endemic disease," Lancet 337:514-517.	
	20.	RUDINGER et al. (June 1976). Peptide Hormones. (Ed) JA Parsons, University Park Press.	

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